CDG-101US PATENT



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appln. No:

10/051,995

Applicant:

Thomas E. McWhorter et al.

Filed:

January 18, 2002

Title:

METHOD AND APPARATUS FOR GENERATING GASEOUS

CHLORINE DIOXIDE-CHLORINE MIXTURES

TC/A.U.:

1754

Examiner: Confirmation No.: 9137

Ngoc Yen M. Nguyen

Docket No.:

CDG-101US

DECLARATION UNDER 37 C.F.R. §1.131 OF JAMES C. SIMMONS

Honorable Commissioner of Patents and Trademarks Alexandria, VA 22313-1450

SIR:

I, James C. Simmons, do hereby declare and state the following.

I am the attorney of record for above-identified patent application.

I declare that the inventions as described by claims 1, 3-38 of the subject patent application were conceived and reduced to practice in the United States prior to January 25, 2001.

Exhibits A1-A10 are true copies of pages of a laboratory notebook kept in the regular course of business by the inventor/applicants as employees and principal of the assignee of the above identified application. The assignment is recorded in the records of the United States Patent and Trademark Office at Reel 012519 Frame 0703.

That I have reviewed the notebook and procedures of the assignee to verify the notebook was a record kept in the normal course of business by Applicants' assignee.

Exhibits A1-A10 show the results of various tests run by or at the direction of Applicants wherein Sodium Chlorate was reacted with Hydrochloric Acid to produce a mixture of Chlorine Dioxide and Chlorine as claimed in the application.

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Dates on Exhibits A1-A10 have been replaced by a date range "Before June 25, 2001".

In view of the fact that the invention of Applicants, as disclosed and claimed in the above-identified application, was conceived and actually reduced to practice prior to June 25, 2001, U.S. Patent Publication 2003/0007899 is not a prior art reference against the invention of claims 1, 3-38 of the above-identified application.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and, further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Respectfully submitted,

James C./simmons, Reg. No. 24,842

Attorney for Applicant

Dated: November 14, 2005

P.O. Box 980 Valley Forge, PA 19482-0980 (610) 407-0700

The Commissioner for Patents is hereby authorized to charge payment to Deposit Account No. 18-0350 of any fees associated with this communication.

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail, with sufficient postage, in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on:

21 YOVEMBER 2005

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V + 1.012 V = 1000		350 K 400 X 0.7 = 280 A 5 X 56 260 X 5 A	$\frac{t_0}{5000} \times \pm 400 \times = \pm 0.0$		3 Na Clo + 4 HCl -> 2 Clo + Cl + Na Cl + 21 3 Na Clo + 12 Hcl -> 6 Cl + 2 Na Cl + 6H

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1 9 x 20 4 HCl /36.5 g/mole	sults of the Experiment:	30 min x 8 L/ = 2 40 L.	B C D Reagent mg/L.	sweet of Chilesing in the Collaited saw	Distanzeted	1 to file # 8 . Apt 3. Sa world a The Started Spectoping and to

presented temperature is 80°C to magney.	Collection produced in hackion 2 = 3 (0.28 + 0.05) Total chy produced = 1.0 + 0.3 = 1.3 moles To the next page the summary and The	250 m = x 406 \$ [106.4 3] e = 0.94 moles Total No. Cl (3 left of end of experiment: 0.94 - [0.6] + 6.28] = 0.05 moles Chlorine produced in he action] = 0.61 = 03 moles	Acid used in beachear 2 = 2,9-1,2=1,7 modes Total Nacl 9 used in beachear 2 = 1.7 = 0.28 Total Nacl 9 changed # weeks = 6 modes	JETORE DUNE 15, WOI Total Clop product # mols = 0.61 mols clop Total Naclog used in Tractain 1 = 0.61 mols A in the total Naclog is to the total to
	* Change ingle to english a clow using Sunpsen In	The abole summary is hased on real time date of the experiment. The main steps in manipulation of date are institled allows the solutions at to might allow	Stage # 1: Fraction C/O2	mg g

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